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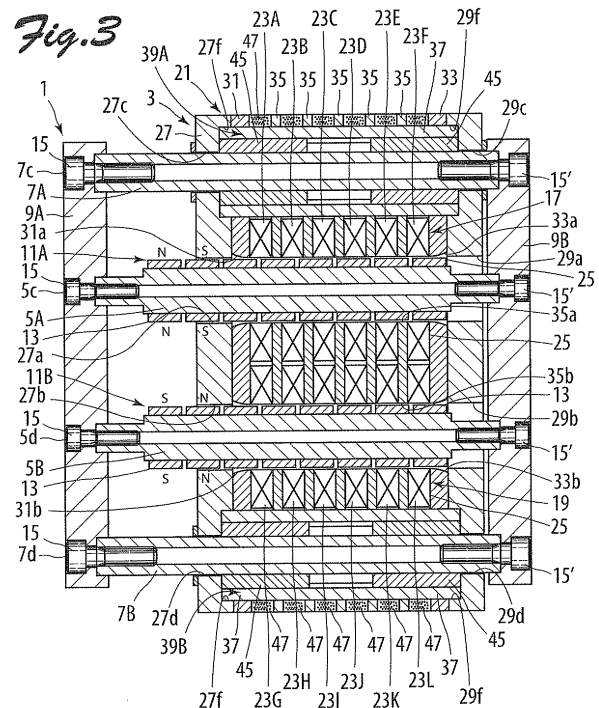
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(54) **Linear synchronous motor**

(57) A stator core unit of a linear synchronous motor is divided into a plurality of divided cores. The divided cores each include a pair of connected portions. The pairs of connected portions are disposed along a first direct drive shaft and a second direct drive shaft to form a pair of connected portion arrays. A yoke is constituted from a pair of yoke elements which are formed of a magnetic conductive material and magnetically connect the connected portions of the pair of connected portion arrays. A first array of permanent magnets and a second array of permanent magnets are disposed to be shifted from each other by an electrical angle of 180°. A first array of windings and a second array of windings are excited with the first and second arrays of windings being shifted by an electrical angle of 180°.





EUROPEAN SEARCH REPORT

Application Number
EP 10 19 6256

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	JP 2003 164135 A (MATSUSHITA ELECTRIC IND CO LTD) 6 June 2003 (2003-06-06) * paragraphs [0009], [0010], [0030] - [0034]; figures 1,2,4,5 * -----	1,2,6	ADD. H02K1/14 H02K16/02 H02K7/08
			TECHNICAL FIELDS SEARCHED (IPC)
			H02K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 October 2016	Examiner Strasser, Thorsten
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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